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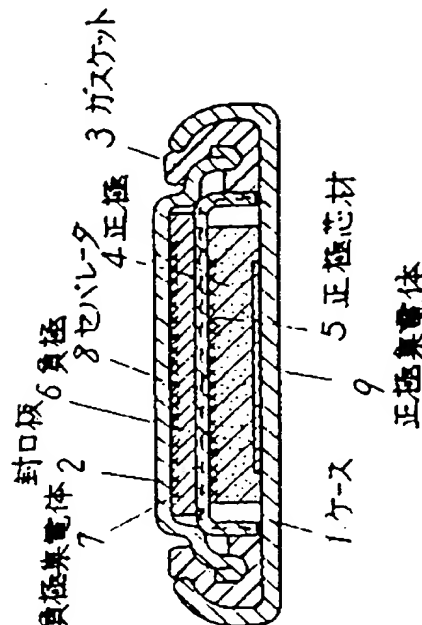
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TITLE : RECHARGEABLE ELECTRO
CHEMICAL DEVICE



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ABSTRACT : PURPOSE: To improve the high temperature loading characteristic without compromising the former performance by forming an electrically conductive carbon film on the inner surface of a case as a positive electrode current collector.

CONSTITUTION: An electrically conductive film is formed on the inner surface of a case 1, using carbon as the conductive material, as a current collector 9 of a positive electrode 4. In this constitution, since the inner surface of the case 1 is coated with an electrically conductive film, formation of insulator film on the surface where it makes contact with a positive electrode 4 is less likely to occur than in the case of metallic current collector. Moreover, corrosion resistance of the inner surface of the case can be improved by coating the entire inner surface of the case 1 with the conductive film. And because the sizes of component parts of this device hardly change even after a large number of charge/recharge cycles, even a thin conductive film can demonstrate sufficient current collecting performance. Thus high temperature loading characteristic can be improved without compromising other performances.

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